

# Occupation Overview

Emsi Q3 2019 Data Set

October 2019

## Contra Costa Community College District



# Parameters

## Occupations

## Regions

## Timeframe

2019 - 2024

## Datarun

2019.3 – QCEW Employees, Non-QCEW Employees, and Self-Employed

## Computer and Information Systems Managers in 3 California Counties

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**Computer and Information Systems Managers (SOC 11-3021):** Plan, direct, or coordinate activities in such fields as electronic data processing, information systems, systems analysis, and computer programming. Excludes 'Computer Occupations' (15-1111 through 15-1199).

**Sample of Reported Job Titles:** Technical Services Manager Data Processing Manager Information Technology Director (IT Director) Information Systems Manager (IS Manager) Technology Director Chief Information Officer (CIO) MIS Director (Management Information Systems Director) Information Systems Director (IS Director) Application Development Director Information Technology Manager (IT Manager)

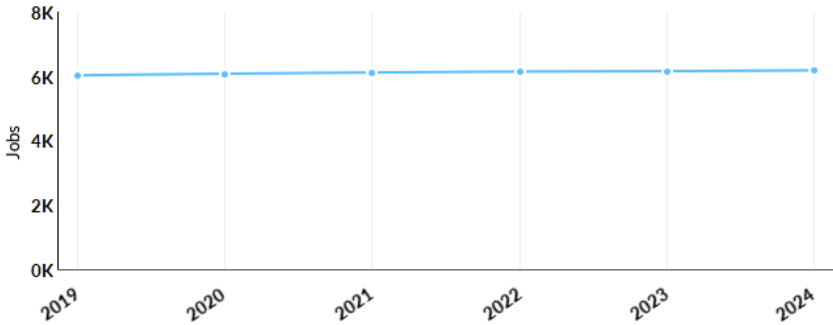
**Related O\*NET Occupation:** Computer and Information Systems Managers (11-3021.00)

# Occupation Summary for Computer and Information Systems Managers

<b>6,022</b> Jobs (2019) 57% above National average	<b>2.6%</b> % Change (2019-2024) Nation: 7.3%	<b>\$78.09/hr</b> Median Hourly Earnings Nation: \$68.21/hr
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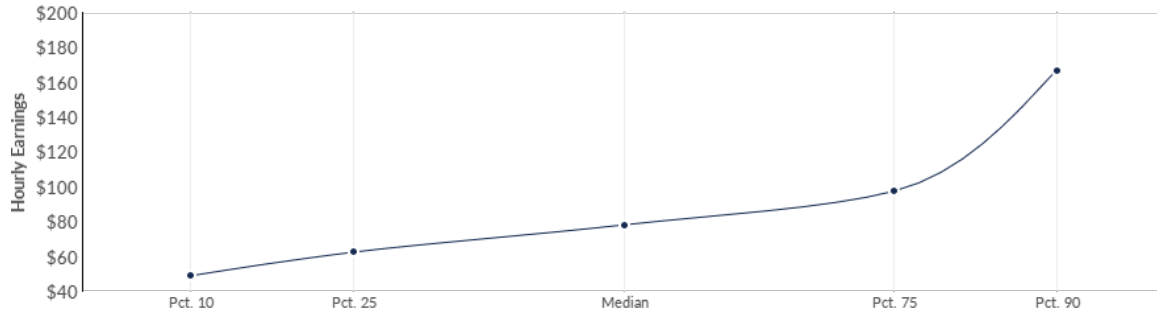
# Growth for Computer and Information Systems Managers (11-3021)

<b>6,022</b> 2019 Jobs	<b>6,176</b> 2024 Jobs	<b>154</b> Change (2019-2024)	<b>2.6%</b> % Change (2019-2024)
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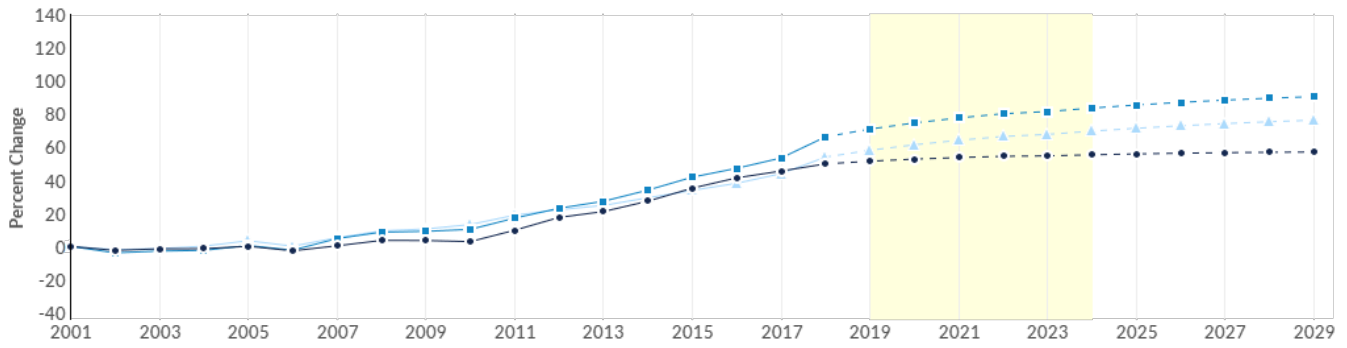


# Percentile Earnings for Computer and Information Systems Managers (11-3021)

<b>\$62.41/hr</b> 25th Percentile Earnings	<b>\$78.09/hr</b> Median Earnings	<b>\$97.50/hr</b> 75th Percentile Earnings
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# Regional Trends



	Region	2019 Jobs	2024 Jobs	Change	% Change
●	Region	6,022	6,176	154	2.6%
●	California	68,514	73,603	5,089	7.4%
●	United States	423,300	454,215	30,915	7.3%

# Regional Breakdown

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County	2024 Jobs
Alameda County, CA	4,493
Contra Costa County, CA	1,522
Solano County, CA	161

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## Job Postings Summary

<p><b>2,211</b> Unique Postings</p> <p>9,700 Total Postings</p>	<p><b>4 : 1</b> Posting Intensity</p> <p>Regional Average: 4 : 1</p> 	<p><b>39 days</b> Median Posting Duration</p> <p>Regional Average: 33 days</p>
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There were **9,700** total job postings for your selection from January 2019 to September 2019, of which **2,211** were unique. These numbers give us a Posting Intensity of **4-to-1**, meaning that for every 4 postings there is 1 unique job posting. This is close to the Posting Intensity for all other occupations and companies in the region (4-to-1), indicating that they are putting average effort toward hiring for this position.

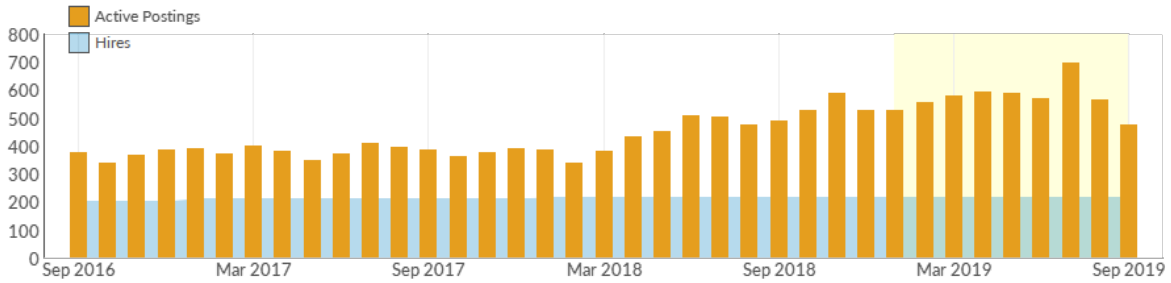
# Job Postings vs. Hires

**572**

**Avg. Monthly Postings (Jan 2019 - Sep 2019)**

**217**

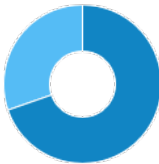
**Avg. Monthly Hires (Jan 2019 - Sep 2019)**



Occupation	Avg Monthly Postings (Jan 2019 - Sep 2019)	Avg Monthly Hires (Jan 2019 - Sep 2019)
Computer and Information Systems Managers	572	217

# Occupation Gender Breakdown

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	Gender	2018 Jobs	2018 Percent	
•	Males	4,152	69.7%	
•	Females	1,805	30.3%	

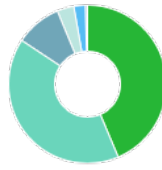
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# Occupation Age Breakdown



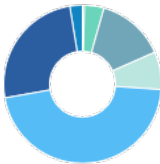
	Age	2018 Jobs	2018 Percent
●	14-18	2	0.0%
●	19-24	74	1.2%
●	25-34	968	16.2% █
●	35-44	1,981	33.3% █
●	45-54	1,807	30.3% █
●	55-64	983	16.5% █
●	65+	143	2.4%

## Occupation Race/Ethnicity Breakdown



	Race/Ethnicity	2018 Jobs	2018 Percent
●	White	2,599	43.6%
●	Asian	2,422	40.7%
●	Hispanic or Latino	563	9.4%
●	Black or African American	205	3.4%
●	Two or More Races	140	2.3%
●	Native Hawaiian or Other Pacific Islander	18	0.3%
●	American Indian or Alaska Native	9	0.2%

# National Educational Attainment



	Education Level	2018 Percent
●	Less than high school diploma	0.4%
●	High school diploma or equivalent	4.0% ■
●	Some college, no degree	14.0% ■■
●	Associate's degree	7.7% ■
●	Bachelor's degree	46.1% ■■■■■
●	Master's degree	25.2% ■■■■
●	Doctoral or professional degree	2.6% ■

## Occupational Programs

<b>6</b>		<b>974</b>	<b>587</b>
<b>Programs (2017)</b>		<b>Completions (2017)</b>	<b>Openings (2017)</b>
<b>CIP Code</b>	<b>Program</b>	<b>Completions (2017)</b>	
11.0701	Computer Science	792	
11.0401	Information Science/Studies	155	
11.0101	Computer and Information Sciences, General	27	
11.1001	Network and System Administration/Administrator	0	
52.1201	Management Information Systems, General	0	

## Industries Employing Computer and Information Systems Managers

Industry	Occupation Jobs in Industry (2018)	% of Occupation in Industry (2018)	% of Total Jobs in Industry (2018)
Custom Computer Programming Services	651	10.9%	5.1%
Computer Systems Design Services	632	10.6%	5.2%
Corporate, Subsidiary, and Regional Managing Offices	622	10.4%	2.4%
Software Publishers	255	4.3%	4.3%
Data Processing, Hosting, and Related Services	254	4.3%	4.2%



# Appendix A - Data Sources and Calculations

## Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

## Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level Emsi earnings by industry.

## Emsi Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

## Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.

## State Data Sources

This report uses state data from the following agencies: California Labor Market Information Department